

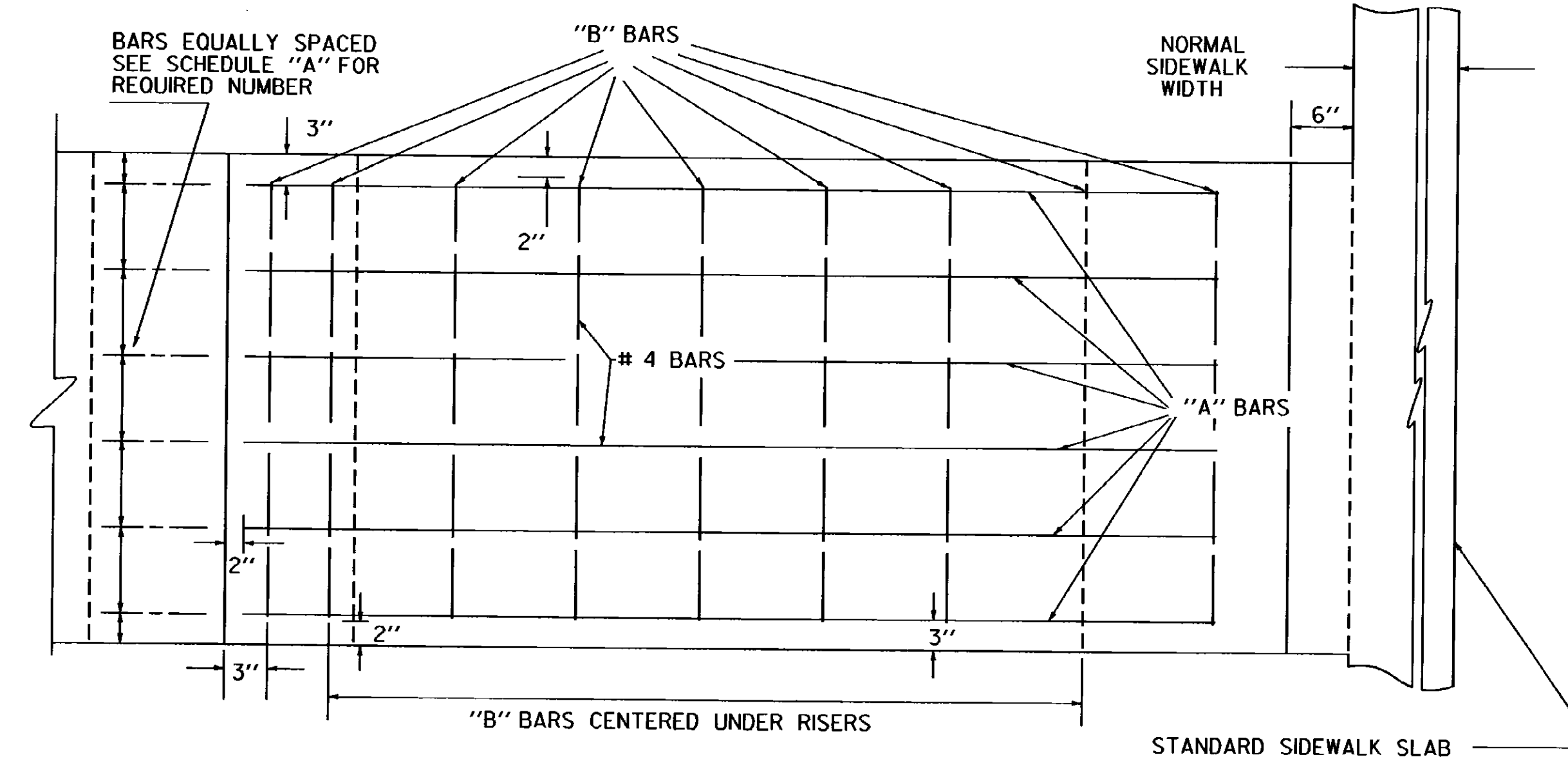
SCHEDULE "A" REINFORCING STEEL

STAIRWAY WIDTHS	NUMBER OF "A" BARS REQUIRED								
	T = I-5	T=6	T=7	T=8	T=9	T=10	T=11	T=12	T = 12-18
3'	NO STEEL REQUIRED	4	5	5	6	6	7	7	8
4'		5	6	7	7	8	8	9	10
5'		6	7	8	9	9	10	11	12

T = THE NUMBER OF TREADS EXCLUDING THE LANDING

THE NUMBER OF "B" BARS IS EQUAL TO THE NUMBER OF RISERS PLUS TWO BARS.

FOR OTHER WIDTHS THE APPROXIMATE SPACING OF "A" BARS IN INCHES
WILL BE EQUAL TO $80 \div T$ WITH A MINIMUM SPACING OF 6 INCHES

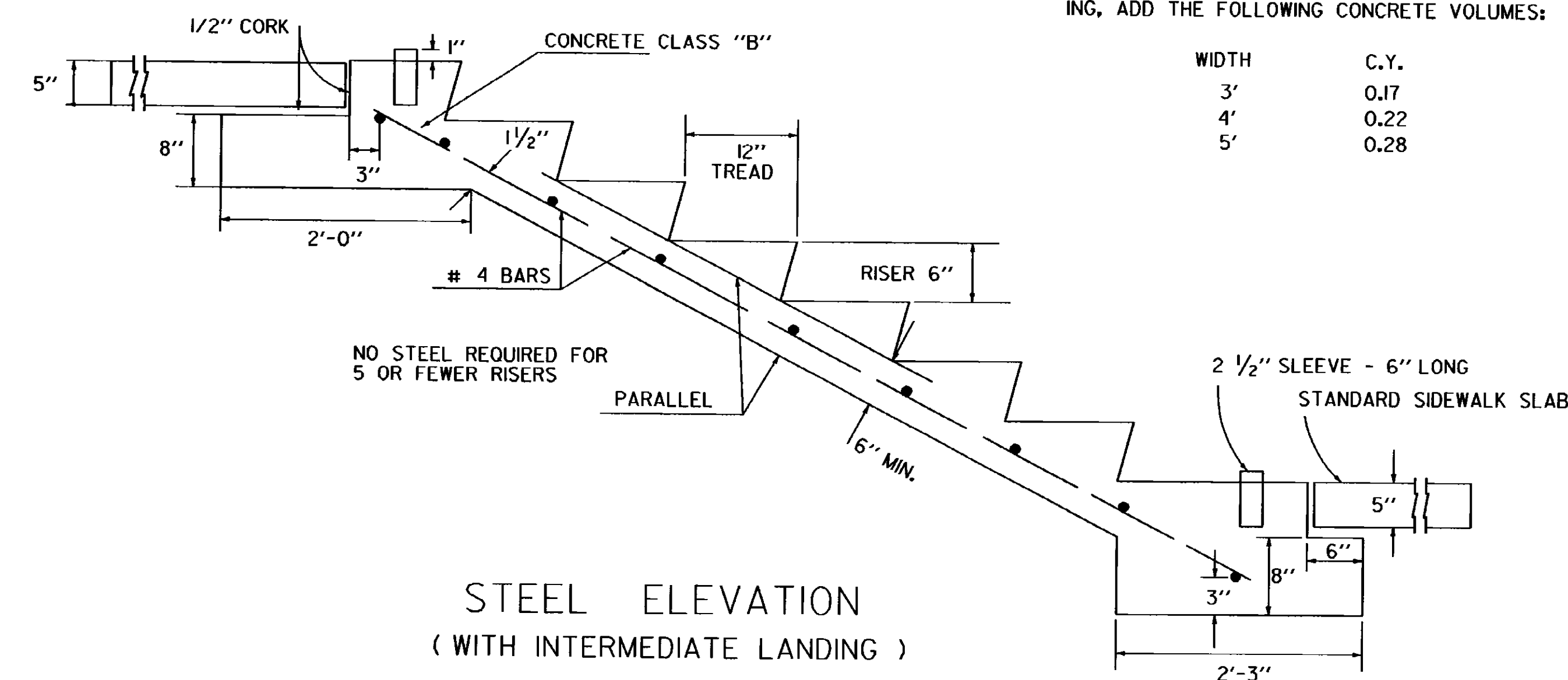
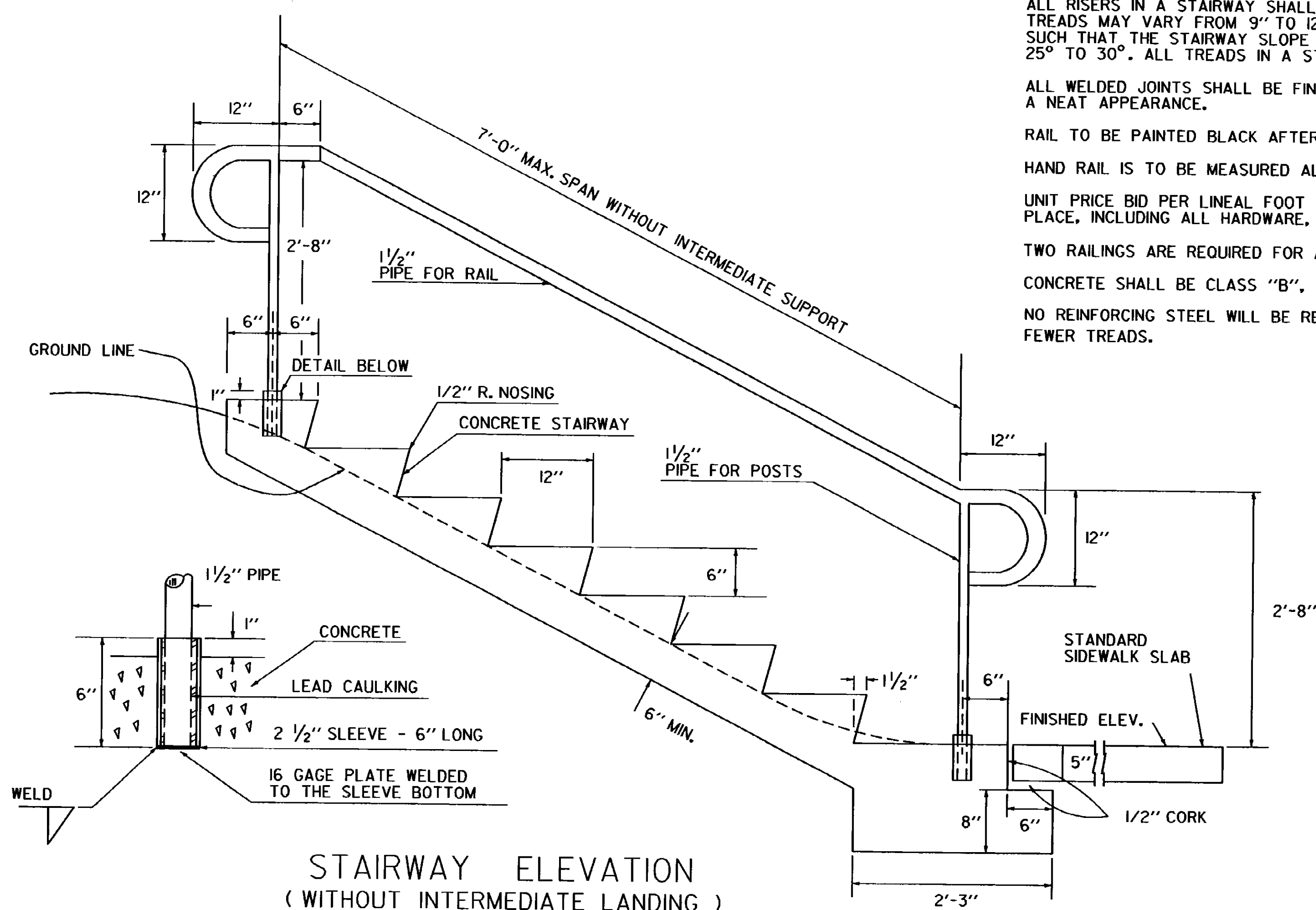


ALL REINFORCING STEEL SHALL BE
NO. 4 BARS

NO. RISERS	WIDTH			HAND RAIL LF
	3'	4'	5'	
1	0.41	0.55	0.69	7
2	0.50	0.68	0.85	9
3	0.60	0.80	1.00	11
4	0.69	0.92	1.16	13
5	0.78	1.05	1.31	15
6	0.88	1.17	1.47	17
7	0.97	1.30	1.63	19

NOTE: FOR STAIRWAY WITH INTERMEDIATE LAND-
ING, ADD THE FOLLOWING CONCRETE VOLUMES:

WIDTH	C.Y.
3'	0.17
4'	0.22
5'	0.28



REVISIONS AND CORRECTIONS

DEC. 14, 1971 - ORIGINAL APPROVAL

JAN. 23, 1975 - REDESIGN OF CONNECTION OF
STAIRS TO WALK

OCT. 30, 1980 - REVISED TREAD & HANDRAIL DETAILS

AUG. 21, 1981 - MIN. CLEAR WIDTH BETWEEN HANDRAILS
ADDED, MINOR NOTE CLARIFICATIONS

JUNE 1, 1994 - REISSUED, WITHOUT CHANGE,
UNDER NEW SIGNATURES.

APPROVED

APPROVED FOR THIS PROJECT
AND/OR DESIGN IMPLEMENTATION
FHWA FINAL APPROVAL PENDING.

Forrest B. MacArthur P.E.
DIRECTOR OF ENGINEERING

Robert M. Mungley PE
DESIGN ENGINEER

DESIGN ENGINEER

STANDARD CONCRETE STEPS

METAL HAND RAILING



STANDARD J-2